

The Binary System $\text{NaCl-Lu-Ba}(\text{ClO}_4)_2$ by A. A.
Zinov'yer, L. I. Chudinova, L. P. Smolina, 10 pp.

RUSSIAN, per, Zhur Neorg Khim, No 1, 1956,
pp 1850-1856. 649547

51

Picatinny Arsenal Tr 2
OTIA 4348
FDE/K-3657

Sci
Nov 59

109,502

(NY-3098).

A Comparison of Systems' Reliability in the
Case of Redundancy in Individual Components and
the System as a whole, by Kh. L. Smolitskiy, P. A.
Chukreyev, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Energetika i Avtomatika, No 3, 1959, pp 176-178.

JPRS-2007-N

USSR
Sci - Electronics
Nov 59

101,557

Physicochemical Investigation of Some Systems Con-
taining Triethylaluminum and its Derivatives, by
A. I. Ganyevskiy, Sh. S. Shchegol', Z. S. Smolijan
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, vol ^MCATA, No 1,
1958, pp 101-103.

Consultants Bureau

Sci - Chem

May 59

87,031

78
Road Surfacing of Pre-Cast Pre-Stressed Re-
inforced Concrete, by B. I. Smolka.
RUSSIAN, per, Avtomobil'nye Dorogi, Vol 26, No 11,
1963, pp 9-10.
NLL RTS 2745

GB 93/RIC. 1233 (July 67)

B. I. Smolka

Sci - Eng
Oct 67

342,705

Contribution to the Problem of Using Anthracite
Coal From the Edward Urz Mine in Coking Plants,
by F. Saelka, 9 pp. GOVERNMENT USE ONLY

CZECH, per, Paliva, Vol XLII, No 10, 1962,
pp 289-291.

JPRS 16386

FEU - Czech
Econ - Geog
Nov 62

217,797

Cylindrical Objective for Spectral Time
Scans With the Aid of an Electron-optical
Intensifier, by G. E. Smolkin, A. V. Titov,
ppp.

RUSSIAN, per, Prihory i Tekh Eksp, No 2,
1963, pp129-132.

ENC ISA

Sci-Electron
Dec 68

245,706

Maximum Amplification Factor and Noise of Photo-
multipliers, by E. K. Zavoiskiy, M. M. Butslov,
G. E. Smolkin, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 5, Nov-Dec 1956, pp 996-

Amer Inst of Phys
Sov Phys "Doklady"
Vol. I, No 6

Sci - Physics
Oct 57

53, 393

On the Application of Multistate Electron-
Optical Image Amplifiers in Astrophysics, by
M. M. Butslov, E. K. Zavoyzkiy, A. A. Kalinyak,
V. B. Elkonov, V. V. Prokofyeva and G. E. Smolkin,
5 pp.

RUSSIAN, Per, Dok Ak Nauk SSSR, Vol CXXI, No 5,
1958, pp 815-818.

Amer Inst of Phys
Sov Phys -- Doklady
Vol XII, No 4

Sci - Phys

91,954

On the Intermolecular Transfer of Excitation
Energy in Crystals, by E. K. Zavoyzkiy, G. E.
Smolkin, 4 pp.

RUSSIAN, thrice --no per, Dok Ak Nauk SSSR,
Vol CXI, No 2, 1956, pp 328-330.

SLA Tr R-418

Sci - Chem
Jul 57

49,943

Investigation of the Time-Resolving Power of
Plane-Parallel Spark Counters, by E. K. Zavoisky,
G. E. Smolkin, ~~5 pp~~. 5 pp

RUSSIAN, limo per, Atomnaya Energiya, Vol I, No 4,
1956, pp ~~45-50~~. 46-50.

Consultants Bureau

Sci - Nuclear Physics
Mar 57 CTS

45,190

Scientific Chapter, by E. K. Zvonov, A. H.
Mikhov, A. G. Plakhov, G. E. Smolkin, 4 pp.

RECEIVED, bino par, Atomnaya Energiya, Vol I, No 4,
1955, 18 ~~RECEIVED~~. 34-37.

Consultants Bureau

for - Nuclear Physics
En 57 CTS

43, 155

The Relationship Between the Thickness Tolerances
and Relative Weight of the Electrode Coatings, by
G. L. Petrov, S. Sh. Smolkin, 10 pp.

RUSSIAN, per, Svaroch Proiz, No 9, 1960,
pp 32-34.

BWRA

Sci

Oct 61

178, 011

Photographic Film Having Visual Spectral Light
Sensitivity, by A. V. Borin, D. Ya. Martynov,
T. I. Smolin, 16 pp.

RUSSIAN, part, Astron Zhur, Vol XXIX, No 1, 1952,
pp 5-13.

CIA/END/X-1076

Chemistry
Scientific - Medicine CTS/DEK

5571

Magnetostriction and the Boldhammer-Thompson Effect
in Certain Ferrites, by N. A. Smol'kov.

RUSSIAN, per, Fiz Metallov i Metallovedenie, SSSR,
Vol II, No 1, 1956, pp 10-15.

6
Navy Tr 1486/NRL 613

SLM-R-1276

Sci - Physics

May 57

48,208

SMA: 61-15385

Some attributes of ferrites under pulse conditions,
by M. A. Smol'kov & V. F. Belov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,
No 3, 1959, pp 357-360.

Columbia Tech

Sci

60

114 911

Investigation of the Faraday Effect in Ferrites
at Centimeter Wave-Lengths, by N. A. Smol'kov,
& Pp.

Full translation.

RUSSIAN, no par, Iz Ak Nauk SSSR, Ser Fiz, No 3,
1954, pp 378-381. CIA C 37903

Columbia Technical Tr

Scientific - Physics
Jan 55 CTS

RS-240

23,957

Certain Properties of Yttrium and Gadolinium
Garnet Ferrites, by N. A. Smol'kov, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz,
No 6, 1959, pp # 145-151. 9079393

MDF S-166

Sci - min/mat
Jul 61.

161,377

Certain Properties of Ferrites at Ultra-High Frequencies, by H. A. Smolkov, E. I. Pomenko.

RUSSIAN, per, Iz Ak Nauk, Ser Fiz, Vol XXIII, No 3, Mar 1959, pp 377-379.

Internatl Physical Index
Electronics Express
Vol I, No 9

Sci

Aug 59

93,906

Faraday Effect in Ferrites at Microwave Frequencies, by N. A. Smol'kov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XVIII, No 3, 1954, pp 378-381.

Assoc Tech Serv-RJ-240

Sci

Aug 58

72,345

Ferrites -- Structure and Certain Physical
Properties, by A. S. Pakhomov, N. A. Smol'kov,
78 pp.

RUSSIAN, monograph, Itogi Nauki, Antiferro-
magnetizm i Ferrity, No 4, 1962, pp 119-213.

ACSI I-2403
ED 2229444

Sci - Chem, Phys
Jul 53

238,403

Nickel-cadmium Ferrites, by N. A. Smolkov, S. A.
Guschina, 5 pp

RUSSIAN, per, Fiz Metal i Metallov, Vol VII, No 4,
1959,
pp 567-561
557-

PP

140,262

Sci-
Feb 61

Function of Accumulation $M = f(t)$ in Diffusion and
Biosynthesis, by N. A. Smol'kov, 3 pp.

RUSSIAN, per, Biofizika, Vol VI, No 3, 1961,
pp 284-287.

PP

Sci

Jun 62

200,241

Some Properties of the $\text{Li}_2\text{O} \cdot x\text{Fe}_2\text{O}_3$ System, by
N. A. Smol'kov, V. M. Grekov. UNCL

RUSSIAN, per, Vest Moskov Univ, Ser Mat Mekh, Astron Fiz
i Khim, No 6, 1959, pp 137-141. 766

Navy/2766/NRL 939

Sci - Chemistry
May 61

150,486

Nickel-Cadmium Ferrites, by N. A. Smolkov.

RUSSIAN, per, Fiz Met³i Metall, Vol VIII,
1959. pp 557-561.

Language Sv Bu

Sci - Phys

Nov 60

131,320

Properties of NiFe_2O_4 - MgFe_2O_4 solid solutions, by
H. A. Smol'tsov & Yu. P. Simanov, 2 pp.

RUSSIAN, per; Izv Akad Nauk SSSR, Ser Fiz, Vol XXIII.
No 8, 1959, pp 307-310.

Columbia Tech

Sci

Apr 60

114,903

Colouring Power of Manganese Ore in Glass and
a Quantitative Method of Evaluation for
Calculating Additions to the Batch, by M.
Smolkova, S. Cerny.

CZECH, per, Sklar Keram, Vol 11, No 9, 1961,
pp 255-256.
CRL/T. 2180

M. S. MOLKOVA

Sci -
Jul 67

333,689

67
Motion of a Rigid Body Under the
Effect of Rotation of an Internal
Wheel, by B. A. Smol'nikov,
RUSSIAN, per, Prikl Mat i Mekhan,
Vol XXVIII, No 1, 1964, pp 171-174.
NASA TT F-10,139

B. A. Smol'nikov

Sci-M/M

Jul 66

306,553

Optimal Regimes for Flowing Down the
Rotational Motion of a Symmetrical
Body, by B. A. Smol'nikov.
RUSSIAN, per, Prilad Mat i Mekhan,
Vol XXVIII, No 4, 1964, pp 725-734.
*NASA IT F-10,140

65

Sci- M/M
Jul 66

B. A. Smol'nikov

Optimal Conditions of Decelerating the
Rotational Motion of a Symmetric Body,
by B. A. Smol'nikov.

RUSSIAN, per, Priklad Mat i Mekhan.
Vol XXVIII, No 4, 1964, pp 725-734.
NASA TT F-10,140

B. A. Smol'nikov

Sic-M/M
Jul 66

306,554

ON THE RATIONAL PROFILING OF ISOHMS FOR
ELECTRICAL PROSPECTING MAPS, BY B. M. SMOLNI'KOV,
8 PP.

RUSSIAN, PER, NEKOTORYYE VEPROSY GEOFISICHESKIKH
ISSLEDOVANIY NA UKRAINE, 1962, PP 49-53.

JPRS 17646

SCI - GEOPHYS

FEB 63

223,723

Effect of Heating Time During Hardening on
Structure and Properties of High-Speed
Steel, by R. A. Smol'nikov.

RUSSIAN, per, Metallov i Term Obrab
Metallov, No 3, 1960, pp 41-47.

HB 5329
Acta Metallurgica

Sci - Min/Met
May 62

196, 324

Correct Through-Heating Times for Steel
Components in Salt Baths, by E. A.
Smol'nikov.

RUSSIAN, per, Metallov i Term Obrab Metallov,
No 2, 1960, pp 53-58.

HB 5319

4072 Metallurgica
190, 716

Sci - Min/Mat
Apr 62

Investigation of an Automatic System of the Third
Order Which is Optimum in the Sense of Stopping
Time from an Established High Speed, by
L. P. Gmel'nikov, Yu. A. Eychkov, (Leningrad) 15 pp

RUSSIAN, per, Iz Akk Nauk SSSR, Otdel Tekh Nauk,
Zhurn Tekhnicheskaya, No 5, 1968, pp 157-163.

JPRS 22648

641
JPRS 61

246,875

Calculation of the Parameters of a Multipoint
Proportional Relay Regulator for an Object With
Delay, by D. Balkani, L. P. Smol'nikov, 11 pp.

RUSSIAN, ICR, Investiya Vyschikh Uchobnykh
Zavedeniy NVIENO SSSR po Razdelu Priborostroeniye,
Vol VI, No 1, 1963, pp 27-37.

JPRS 20221

Sci - Electron
Jul 63

237,399

Reducing the Toxicity of Tubazid by Administering It
in Combination with Cycloserine, by N. I.
Smol'nikova, 3 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol LII,
No 8, 1961, pp 70-72.

CB

Sci

201,638

Jun 62

An Experimental Study of the Convulsive effect of
Cycloserine, by G. Ya. Kivman, N. M. Smol'nikova, G. A.
Ivanova, 4 pp.

RUSSIAN, per, Farmakol i Toksikol, Vol. XXII, No. 5,
1959, pp 447-449.

CB

Sci
Aug 60

126,602

A Comparative Study of the Fixation of Antibiotics
of the Tetracycline Group by Homogenates or
Organs, by G. Ya. Kivman, N. M. Smol'nikova, 3 pp.

RUSSIAN, per, Byul. Eksper Biol i Med, Vol XLVIII,
No 12, 1959, pp 68-70.

CB

Sci -
Jul 60

120,982

On the Pharmacology of the New Antibiotic Cyclose-
rine, by G. Ya. Kivman, N. M. Smol'nikova, G. A.
Ivanova, V. S. Mitrofanov, 4 pp.

RUSSIAN, per, Farmakol i Toksikol, Vol XXII,
No 3, 1959, pp 243-246.

Consultants Bureau

Sci

Jun 60

117,923

The Pharmacology of Tetracyclines, by G. Ya.
Kivman, G. A. Ivanova, N. M. Szolnikova, 5 pp.

RUSSIAN, per, Farmakol i Toksikol, Vol XXI,
No 5, 1958, pp 68-71.

Consultants Bureau

Sci - Med
Jan 59

89,316

23
A "Time Interval-Number" Function Generator,
by V. B. Smolov, V. V. Burachenkov, 9 pp.
RUSSIAN, per, Inzhener Tekh, No 6, 1964,
pp 53-56.
JPRS 27003

Sci- Eng
Nov 64

268,900

On Methods of Constructing Functional Transformers
With Width Modulation and Averaging of Voltages of
Special Form, by V. B. Smolof, Ye. P. Ugryumov, 11 pp.

RUSSIAN, per. Iz Vysshikh Ucheb Zaved MVISSO SSSR
po Razdelu Priborostroyeniye, Vol V, No 1, 1962,
pp 40-46.

JPRS 18943

Sci - Eng

May 63

228,946

Electrical Function Generator of the Pulse-Spectrum
Type, by Y. B. Smolov, E. P. Ugryumov, Spp

ISSUES, Ser. Avtomat. i Telemekh., Vol XXIV, No 6,
1983, pp 830-838.

ISA

295,920

Electronic Encoding and Coding Function:
Generators, by V. E. Snelov, 3 pp.

Elektronika, part, Automatizatsiya, Vol. XXII,
No. 2, 1981, pp. 209-215.

Internatl. Physical Index
Automation Express
Vol. III, No. 9

Sci. Electron.

81315

166, 190

Universal Coders for Automatic Measuring Systems,
by V. L. Smolov, 6 pp.

RUSSIAN, per, Izmeritel Tekhnika, No 11, 1961,
pp 30-34.

ISA

Sci

Jul 62

205,207

Universal "Voltage-Number" Code ~~and~~ Converter for D-C
and A-C Control Systems, by N.A. Smironov, V.B. Smolov,
et al, 10 pp.

RUSSIAN, per, Iz Vysshikh Uchet Zaved,
Priborostroyeniye, Vol VI, No 4, 1963.

JPRS 24617

S i

May 64

359,368

On One Method of Designing Two-Input Electronic
Function Generators, by V. B. Smolov, 7 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 10,
1969, pp 1374-1380.

Instru Soc of Amer

Sci-Phys

Doc 60

119,279

Electronic Divider-Converter With Digital
Outputs, by V. D. Smolov, 22 pp.

RUSSIAN, per. Izmeritel'naya Tekhnika No 6,
Nov-Dec 1958, pp 67-79.

Automation Express

Vol. 1, No 7

Internat'l Physical Index

Sci
Jun 59

AVAILABLE BR 5
LIBRARY

Bridge-Type Digital-Analog Function Converters,
by N. A. Smirnov, V. B. Smolov, 14 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIII,
No 6, 1962, pp 802-817.

ISA

Sci

Jan 63

220,708

A DECODING "DIGIT-TO-ANGLE" CONVERTER WITH
INTERMEDIATE CONVERSION BY A. A. SHIRSOV, AND
V. B. BELAY, AND ET AL, 15 PP.

RUSSIAN, PER, 12 VISHNII DUBNI ZAVED, ELEKTROMEKANI
NO 5, NOV 1963, PP 297-604.

JPRS 21553

SCI-DIG
NOV 63

240,615

An Operational Amplifier With a Differential Input,
by V. B. Smolov, 2 pp.

RUSSIAN, per, Avtomatika i Telemekhanika, Vol XIX,
No 12, 1958, pp 1145-49.

Automatica Express
Vol I, No 6
Internat'l Physical Index

dc
Jun 59

AVAILABLE BR 5
LIBRARY

90,408

A Pusher Type Rolling Mill Charger, by B. D.
Smolovikov, L. Shevchenko, 3 pp.

RUSSIAN, per, Stal, No 5, 1959, pp 441-442.

EISI

Sci

Jan 60

105,614

Carcinomas of the Mammary Gland Arising in a
Monkey After Hyperoestrinization and Administration
of Radioactive Silver (^{110}Ag), by E. Ya. Smolovskaya,
A. V. Vaidova, M. Ya. Podval'naya, I. A. Chachibaya,
10 pp.

RUSSIAN, per, Voprosy Onkolog, Vol VI, No 5,
1960, pp 35-42.

PP

141,524

Sci

Mar 61

(NY-5315)

Status and Need of Soil Improvement, by Kalina
Smolka, Zenon WK Sniadowski, Stanislaw Drupka,
15 pp.

POLISE, per, Przegląd Techniczny, Vol LXXXI, No 4,
Special Issue, Aug 1960, pp 36-40.

JPRS 7812

HEur - Poland
Econ
Mar 61

142,073

63-12689

Smol'skii, B. M. and El'perin, I. T.
THE EFFECTS OF SURFACE PHENOMENA ON
TRANSFER PROCESSES IN HETEROGENEOUS SYS-
TEMS (A REVIEW). Jan 63 [14]p. 30 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
[v. 5] no. 7, p. 99-[112].

DESCRIPTORS: *Fluid flow, *Heat transfer, *Mass
transfer, Boundary layer, Surface properties, *Chemical
engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

- I. Smol'skii, B. M.
- II. El'perin, I. T.
- III. International Chemical
Engineering, New York

120369

Office of Technical Services

Mechanised and Automatic Welding at the
Uzbekkhimmash Works, by A. J. Arkhanitskiy,
K. V. Smol'skiy, 4 pp.

RUSSIAN, per, Svaroch Proiz, No 10, 1961,
pp 21-23.

RWRA

214,440

Sci

Oct 62

Thermal Processing of Materials Using Currents of
Industrial Frequency, by V. M. Smol'skiy, 7 pp.

RUSSIAN, per, Inzhen-Fiz Zhur, Vol VI, No 8,
1963, pp 120-124.

JPRS 23705

Sci

Mar 64

253,829

106
Investigation into a Mathematical Theory of
the Kinetics of Coagulation of Colloidal
Solutions, by M. V. Smoluchowski
GERMAN, per, Zeit fur Phys. Chem, Vol 92, 1934,
pp 129-168.
ML Ser: 6130.59 (1326)

M. V. Smoluchowski

Sci-Chemistry
Aug 68

362,198

Attempt Toward a Mathematical Theory of the
Coagulation Kinetics in Colloidal Solutions,
by M. V. Smoluchowski, 58 pp.

GERMAN, per, Zeitschrift fuer Physik Chemie,
Vol XCII, 1916, pp 129-168. CIA D 197047

AMC F-TB-7490

Air Res and Dev Command

T-202-G

Sci - Chemistry

CIA 693708

33,025

A-11297

Certain Ethnic Processes among the Peoples of
the Lower and Middle Amur, by A. V. Smolyak,
11 pp.
RUSSIAN, per, Ilovetskaya etnografiya, No. 3,
May-June 1963, pp. 21-30.
JPRS 40460

6

A. V. Smolyak

USSR
Soc
Apr 67

321,352

Rapid Spectrum Analysis for Fluorine, by I. I. Smolyak,
2 pp.

Full tr

RUSSIAN, bimo per, Iz Ak Nauk, Ser Fiz, Vol XIX, No 2,
1955, p 217. CIA C 42795

Columbia Tech Tr

355842

Scientific - Physics, ~~Metals~~ Chemistry
Jun 56 CTS/dex

The Value of Exploratory Laparotomy in suspected
Cancer of the Bladder, by L. G. Smolyak, I. P.
Semenyuk, 5 pp.

RUSSIAN, per. Voprosy Onkologii, Vol V, No 5,
1959, pp 571-576.

Pergamon Press

Sci

Mar 5 60

109,990

Radiometric Investigation of a Blast-Furnace
Tuyere Zone, by V. A. Smolyak, et al, 4 pp.

RUSSIAN, per, Stal, No 9, 1961.

BISI.

Sci

May 62

194,750

Control of the Blast-Furnace Process by Means of
Radioactive Isotopes, by V. A. Smolyak, V. N. Ualyuk,
4 pp.

RUSSIAN, per, Metallurg, No 4, 1958, pp 7, 8.

Consultants Bureau

Sci - Min/Mat

Dec 58

77,493

Centrifugal Casting of 50 mm Cast Iron Standpipes,
by B. D. Khakhalin, A. N. Smolyakov, 3 pp.

RUSSIAN, per, Metallurg, No 3, 1957, pp 25, 26.

Consultants Bureau

Sci - Engr

Jul 58

66,981

97
Selection of the Type of Steel for the Construction of a Ship's Hull from the Standpoint of Weight and Cost, by B. Smolyakov

RUSSIAN, per, Technical Transport, No 12, 1962,

PE 31-

RL Ref: 9022.065 (2489)

B. SmOLyAKOV

Sci-Mechanical Engr.

Aug 68

362,179

Production of Quality Castings of Titanium-
Stabilized 18-9 Steel, by V. P. Smolyakov,
E. I. Moshkevich.

RUSSIAN, per, Liteinoe Proiz, No 2, 1963,
pp 7, 8.

HB 5914

Sci-MH
May 63

229,823

Contamination of Ball Bearing Steel by Refining Slag,
by V. F. Smolyakov

RUSSIAN, per, Stal, Vol XVII, No 10, 1957, pp 693-698.

British Iron and Steel
Ind Tr 742 (52.10.0)

Sci - Engr
Feb 58

58,263

Concerning Certain Peculiarities in the Electric
Arc of a Direct Current Plasmatron, by V. Ya.

Smolyakov.

RUSSIAN, per Zh. Prikl. Mekh. Tekhn. Fiz. No. 6, 1963

pp 148-153

QB 347

V. Ya. Smolyakov

Sci -
Aug 67

339-686

NCH-200 651

Field 13L

Smolyakova, S. I.

APPARATUS FOR THE PARTICLE SIZE ANALYSIS OF
MINE DUST (Pribor Dlya Dispersnogo Analiza
Shakhnoi Pyli). Tr. by L. Meyer. Jul 64, 14p
(foreign text included) (figs omitted). SMRE-Trans-5019.
Order from NLL

Trans. of Nauchno-Issledovatel'skii Institut po Bezopasnosti
Rabot v Gornoi Promyshlennosti. Trudy (USSR) 1963.

1. Safety in Mines Research
Establishment,
Buxton (England)

304079

A004013

Apparatus for the Particle Size Analysis of
Mine Dust, by S. I. Smolyakova.
RUSSIAN, per, Maknii Nauchno Issledovatel'skie
Raboty ZA 1961 g. Moscow, Gosgortekhnizdat, 1963,
p 116
GB 82/5019

S. I. Smolyakova

Sci -
Aug 67

336,664

Developments in the Chlorination of Saturated
Hydrocarbons, by Z. S. Smolyan, P. S. Pyryalova,
N. A. Kurdyumova, 17 pp.

RUSSIAN, per, Uspekhi Khim, No 1, 1960,
pp 23-54.

Cleaver-Hume Press

Sci

Sep 60

127,542

60-22825

Smolyan, Z. S., Kurdyumova, N. A., and
Pyrvalova, P. S.

LOW TEMPERATURE CHLORINATION OF ETHANE
IN THE PRESENCE OF INITIATORS. [1960] 5p.
Order from ATS \$8.10 ATS-54M40R

Trans. of Trudy [po] Khimii i Khim. Tekhnol. (USSR)
1958, v. 1, no. 1, p. 187-189.

DESCRIPTOR: *Low temperature research, *Chlorina-
tion, *Ethane, Azo radicals, Carbon tetrachloride,
Canavanine, Benzoyl radicals, Peroxides, Methyl radi-
cals, Carbonates, *Laboratory equipment.

- I. Smolyan, Z. S.
- II. Kurdyumova, N. A.
- III. Pyrvalova, P. S.
- IV. ATS-54M40R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

AT-54-0399

(Chemistry--Organic, IT, v. 9, no. 6)

Office of Technical Services

Composition of the Products of Cyclohexanol
Dehydrogenation Over a Zinc Catalyst and
Conversion of the Resultant Still Residue Into
Cyclohexanone, by L. Kh. Freidman, V. Z.
Shark, M. S. Smolyan, 4 pp.

RUSSIAN, per, Zhur Fik Khim, Vol XXXII, No 4,
1959, pp 901-904.

Consultants Bureau

Sci

117,880

The Effect of Temperature on the Corrosion Rate
of Metals in Acid Media, by V. A. Khitroy, V.
I. Shatalova, I. S. Smol'yaninov, 4 pp.

USSR

RUSSIAN, par, Dok Ak Nauk, Vol CXXXIII,
No 4, 1960, pp 886-888.

CB

Sci

149,181

Apr 61

Preparation of Metal for Cold Upsetting, by
N. A. Smol'yankov, I. G. Shushakov, 4 pp.

RUSSIAN, per, Stal, No 12, 1959, pp 1135-1139.

BISI

Sci

Jun 60

118,428

43
Instrument for High-Frequency Determination
of Concentrations, by O. F. Lobas,

S. I. Smol'yaninov.

RUSSIAN, per. Izv Tomsk Politekhicheskoy
Inst. No 126, 1964, pp 80-83.

WFO 69-11513-07A

S.I. SMOL'YANINOV

Sci-Chem
July 68

386,924

Complex Frequency Characteristics of Linear
Systems With Periodically Varying Parameters, by
O. G. Smolyanov, A. P. Bekasov, 10 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol VIII,
No 8, 1963.

11666

Sci
Apr 64

255,216

Smolyaninova, N. N. and Moleva, V. A.
BAVENITE IN THE SKARNS OF THE BATYSTAU
DEPOSIT (Nakhodka Bavenita v Skarnakh Mestorozh-
deniya Batystau) tr. by W. John Ciesiewicz. Nov 61
[8]p. 10 refs.
Order from OTS or SLA \$1.10

62-15741

Trans. of mono. Materialy po Geologii Rudnykh
Mestorozhd., Petrografii, Mineralogii i Geokhimi.,
AN SSSR, 1959, p. 275-278.

DESCRIPTORS: *Minerals, Ores (Non-metallic),
*Economic geology, Physical properties, Chemical
properties.

(Earth Sciences--Mineralogy, TT, v. 10, no. 8)

62-15741

- I. Title: Bavenite
- I. Smolyaninova, N. N.
- II. Moleva, V. A.
- III. Geological Survey,
Denver, Colo.

1247822

Office of Technical Services

This Method Has a Great Future, by V. Smolyaninov,
5 pp. UNCL

RUSSIAN, np, Investiya, 8 May 1959, p 2.

AF 1255874

Sci - Engr, oil well shafts
Aug 59

92, 841

Investigation into the Strength of Coke in the
Hot State, by N. M. Smolyaninova, A. A. Kaplin,
L. M. Vasilieva, 3 pp.

RUSSIAN, per, Koks i Khim, No 5, 1961.

CTRA

Sci

Nov 61

177,893

Assessment of Losses During Reciprocating Strokes
of a Crank Press, by V. P. Smolyaninov, 3 pp.

RUSSIAN, per, Vest Mashinostroy, Vol XLI, No 2,
1961, pp 45-49.

PERA

191, 093

Sci

Jan 62

Soviet Foreign Trade in 1962, by L. Gharapanova, A. Smolyan-
nikova, 21 pp.

RUSSIAN, par. Vneshni Torgov, No 11, 1963, pp 8-17.

JPRS 22254

USSR
Econ
Jan 64

246, 658

Production of Adipic Acid by Oxidation of
Cyclohexanol by Means of Nitric Acid, E. N.
Zilberman, S. N. Suvorova and Z. S. Smolyan,
6 pp.

Full tr

RUSSIAN, no per, Zhur Prikl Khim, Vol XXIX,
No 4, 1956, pp 621-627.

41,626

Consultants Bureau

Sci - Chemistry
Dec 56 CTS

The Structure and Phase Composition of Pulverised
Copper, by A.I. Smolyaninov.

RUSSIAN, per, Tsvetnye Metally, no 8, 1959, pp 72-74

Primary Sources
CR-2375

Sci - Min/Mat
Jul 61

159 1/86

61-12478

Smolyaninov, A. L.
THE STRUCTURE AND PHASE COMPOSITION OF
PULVERIZED COPPER. [1960]. PS CR-2875
Order from PS \$5.00

Trans. of Tsvetnyye Metally (USSR) 1959 [v. 32]
no. 8, p. 72-74.

Another translation is available from LC or SLA
mi\$1.80, ph\$1.80 as 61-10232 [1960] [5]p.

1. Copper coatings--Phase studies
2. Copper--Oxidation
- I. Smolyaninov, A. L.
- II. PS CR-2875
- III. Primary Sources, New York

Office of Technical Services

(Metallurgy--Structural, TT, v. 5, no. 6)

The $\text{Bi}_2\text{O}_3\text{-MoO}_3\text{-PbO}$ ternary system, by I. N. Belyaev,
N. P. Smolyaninov, 2 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 5, 1962.
pp 1126-1131. CS

Sci

Apr 63

233,414

(NY-5555/2)

Types of Blood Supply to the Heart, by A. V.
Sokol'yannikov, T. A. Naddachina, 11 pp.

RUSSIAN, per, Y Arkhiv Patologii, Vol XXII,
No 10, 1960, pp 17-23.

JPRS 9626

Sci - Med
Aug 61

162,717

61-11987

Smol'yannikov, A. V. and Naddachina, T. A.
CORONARY SCLEROSIS, COLLATERAL CARDIAC
CIRCULATION AND THEIR SIGNIFICANCE IN
CORONARY INSUFFICIENCY (Koronaroskleroz,
Kollateral'noye Krovobrascheniye v Serdtse i ikh
Znachenije pri Koronarnoy Nedostatochnosti).
14 Feb 61, 28p. 18 refs. JPRS: 7709.
Order from OTS \$0.75

61-11987

Trans. of Arkhiv Patologii (USSR) 1960, v. 22, no. 11,
p. 24-33.

(Biological Sciences--Pathology. TT, v. 5, no. 7)

- I. Heart--Pathology
- I. Smol'yannikov, A. V.
- II. Naddachina, T. A.
- III. JPRS-7709
- IV. Joint Publications Research
Service, New York

Office of Technical Services

(FED 30316)

TE-7 Diesel Passenger Locomotive, by A. Ye. Smolyaninov

RUSSIAN, per, Zheleznodorozhnyy Transport, No 1, 1957,
Moscow, pp 15-19.

FED Sum 1304

USSR

Economic

46,013

Investigation of the Products of Condensation of
Benedecenoic Acid With Formaldehyde, by E. P. Solovyeva,
K. K. Smolyaninova, V. N. Belov, 4 pp.
v 6

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 11,
1957, pp 3018-3020.
5

Consultants Bureau

Sci - Chem

Jan 59

78,802

61-10232

~~Smolyaninov, A. I.~~
THE STRUCTURE AND PHASE COMPOSITION OF
PULVERIZED COPPER. [1960] [5]p. 2 refs.
Order from LC or SLA mi\$1.80, ph\$1.80 61-10232

Trans. of Tsvetnyye Metally (USSR) 1959 [v. 32]
no. 8, p. 72-74.

Another translation is available from PS \$5.00 as
CR-2875.

1. Copper coatings--Phase studies
2. Copper--Oxidation
1. Smolyaninov, A. I.

Office of Technical Services

(Metallurgy--Structural, TT, v. 5, no. 6)

Preparation of ω -Hydroxypentadecanoic Acid by
the Method of Electrolytic Cross Condensation.
III., by G. E. Svadkovskaya, E. K. Smol'yaninova,
V. N. Balov, 5 pp.

RUSSIAN, per, Zhur Coashch Khim, Vol XXVIII, No 6,
1958, pp 2268-2272.

CB

Sci - Chem
Oct 59

99,959

The Preparation of ω -Hydroxytridecanoic Acid
by the "Coulson" Electrolytic Condensation Method.
1. The Electrolytic Condensation of α -Ketoacids
in an Aqueous Field and the Monomeric Ester of Adipic
Acid, by G. E. Svadkovskaya, S. A. Volokhov,
E. M. Smolyaninova, V. N. Belov, 6 pp.

RUSSIAN, per, Zhur Oshchik Khim, Vol XXII, No 6,
1957, pp 2146-2151.

Consultants Bureau

Encl - Chem
Oct 58

74, 194

Synthetic Intermediates of the Aromatic Series.

I. Synthesis of 1,14-Tetradecandicarboxylic Acid,
by V. M. Kodionov, E. A. Ogorodnikova, N. N.
Sheryakova, E. K. Smolyaninova, V. N. Belov, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,
No 11, 1953, pp 1826-1827. CIA D 151246

Consultants Bureau

Scientific - Chemistry Apr 55 CTS

22,613